

2290720

tarmac rally - race

Ford ZH16S Sigma, 99hp

I-4cyl 1.6L 16v DOHC (DTs/DTs)



intake **exhaust**

camshaft data:

lash ramp	: 0.25mm	0.25mm
duration @ 0.1mm	: 276°	268°
duration @ 1.0mm	: 238°	230°
valve lift	: 9.50mm	9.00mm
cam lift	: 9.50mm	9.00mm
lobe angle	: 106°	106°
timing @ 1.0mm	: 13° / 45°	41° / 9°
valve lift @ TDC	: 2.55mm	2.15mm

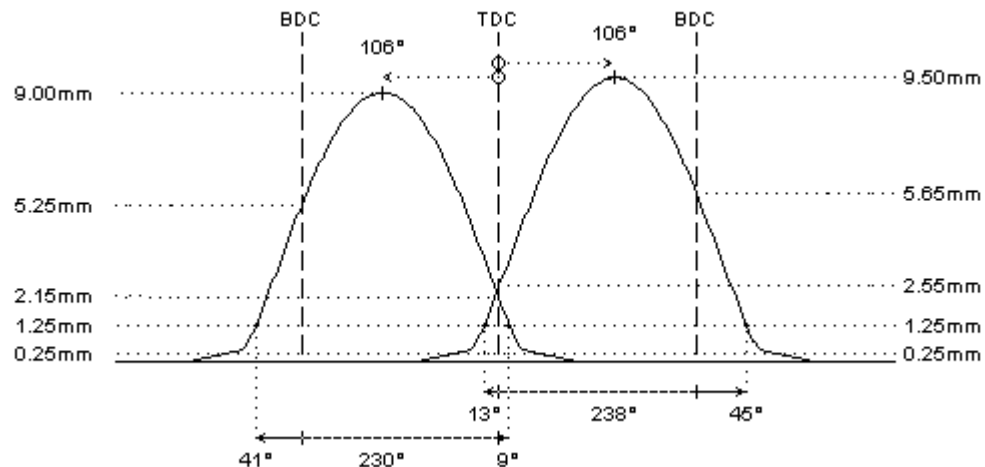
parts setup:

cam wheels :	:	:
follower	: O.E.M.	: O.E.M.
valve lash	: O.E.M.	: O.E.M.
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	: O.E.M.	: O.E.M.
lower retainer	: O.E.M.	: O.E.M.
exterior spring	: PAC-I99891	: PAC-I99891
interior spring	:	:

fitted load / length	: 26kg @ 35.0mm	: 26kg @ 35.0mm
max. load / lift	: 47kg @ 12.0mm	: 47kg @ 12.0mm

REMARKS :

if required, use extra shim on the lower retainer for increased load



REMARKS :

- # for engines with 28mm cam followers / 25mm lash adjustment shims (between cam and follower), please contact Cat Cams if different
- # FOR COMPETITION APPLICATIONS ONLY. Following details must be verified:
 - the camshafts must turn smooth in the cylinderhead, provide free travel by machining where needed
 - distance between valve seal and retainer at full lift must be 0.6mm at least
 - minimum valve spring travel of 1.0mm at full lift must be provided
 - distance between valve and piston 1.0mm (pref. 1.5mm). check 5-15° before TDC on exhaust, and after TDC on intake
- # ONLY for use in competition engines with independent engine management (throttle position sensor) or carburettors
- # machining of cylinder head required at camlobes